

**WHAT IS CLAIMED IS:**

1                    1. A weighing pan operable to weigh a test weight on a comparator  
2 balance, wherein said weighing pan comprises:  
3                    a coated surface with a coating of a polymer lacquer, wherein said  
4 coated surface in relation to said test weight has a first sliding friction and a first  
5 adhesive friction that are at least twice as strong, respectively, as a second sliding  
6 friction and a second adhesive friction between the test weight and a non-coated,  
7 polished surface of an analogous weighing pan made of hard metal.

1                    2. The weighing pan according to claim 1, wherein the polymer  
2                    lacquer comprises:  
3 a base material and additional components including a hardening agent.

1                    3. The weighing pan according to claim 2, wherein the base material  
2 comprises polyurethane.

1                    4. The weighing pan according to claim 1, wherein the polymer  
2 lacquer contains antistatic agents in a proportion not exceeding three percent by  
3 weight.

1                    5. The weighing pan according to claim 1, wherein the coating is at  
2 least 10 micrometers thick.

1                    6. The weighing pan according to claim 1, wherein the coating has a  
2 Shore D hardness of more than 50.

1                    7. The weighing pan according to claim 1, wherein the coating is  
2 resistant to solvents.

1                    8. The weighing pan according to Claim 1, wherein the coating is  
2 resistant to fluids used in measuring the density of bodies, said fluids belonging to  
3 the group consisting of water, FC40 fluorocarbon, and silane-containing fluids.

1                    9. The weighing pan according claim 1, the weighing pan being  
2 configured to cooperate with a platform of a weight changer for transferring the  
3 test weight, wherein the platform is movable up and down relative to the weighing  
4 pan while the weighing pan reaches through the platform without making contact  
5 with the platform.

1                    10. The weighing pan according claim 9, wherein the platform  
2 comprises a platform surface coated with the polymer lacquer.

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